

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L37	23	L36 and (device adj driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:10
L36	708	(L34 or L35) and (color adj (mangement or correct\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:10
L35	851	715/764.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:09
L34	1581	358/518.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:09
L9	14	(image adj acquisition) and (color adj manag\$5) and ("device driver")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:09
L33	10	L32 not L31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:42
L32	15	719/321-329.ccls. and (color near3 (mangement or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:42
L31	5	719/321-329.ccls. and (color adj (mangement or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:42
L30	1733	719/321-329.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:41
S54	339	709/321.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:40
S55	49	709/321.ccls. and (color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:35

L13	24	382/167.ccls. and (device adj driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:31
L12	26	382/162.ccls. and (device adj driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:31
L11	59	345/589-593.ccls. and (device adj driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:29
L10	10	345/603-604.ccls. and (device adj driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/07 13:06
S66	14	(image adj acquisition) and (color adj manag\$5) and ("device driver")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:52
L8	2	"6571009".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:23
L1	28	Stokes-Michael.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:23
S62	9	sadovsky-vladimir.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:19
L6	17	sadovsky-vladimir.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:19
L5	18	wong-gilman-k.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:19
L4	20	parsons-david-m.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:19

L2	12	camara-franc-j.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:19
S61	10	wong-gilman-k.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:18
S59	12	camara-franc-j.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:18
S58	26	Stokes-Michael.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:18
S47	9	parsons-david-m.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:18
S46	75	parsons-david.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 12:18
S11	5	382/167.ccls. and ("application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:42
S10	12	382/167.ccls. and (API)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:42
S9	764	382/167.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:42
S8	76	345/764.ccls. and ("application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:41
S7	123	345/764.ccls. and (API)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:41
S6	18	345/764.ccls. and (image adj (acquisition or acqui\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:41

S5	6	345/764.ccls. and (color adj (correct\$3 or conv\$4 or manage\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:40
S4	801	345/764.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/26 09:39
S3	1	S1 and "color profile"	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/04/26 08:34
S2	2	S1 and "scanner profile"	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/04/26 08:34
S1	29	(US-6437792-\$ or US-6366291-\$ or US-6285398-\$ or US-6081254-\$ or US-5815284-\$ or US-5719639-\$ or US-5062058-\$ or US-6137595-\$ or US-6226011-\$ or US-6337922-\$ or US-6064396-\$ or US-6501850-\$ or US-6388674-\$ or US-6037950-\$ or US-5784065-\$ or US-6298172-\$ or US-6489973-\$ or US-6373507-\$ or US-6463173-\$ or US-5923824-\$ or US-5699489-\$ or US-6518975-\$ or US-6279043-\$ or US-6677988-\$ or US-6396536-\$ or US-6587129-\$).did. or (US-6611621-\$).did. or (US-20030177448-\$ or US-20020126147-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/04/26 08:31
S83	3	scanner same (select\$3 near3 "color profile")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/23 10:25
S82	1	scanner near3 (select\$3 near3 "color profile")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/23 10:25
S81	20	scanner near3 (select\$3 near3 profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/23 10:24
S79	542	scanner near3 profile	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/23 10:04
S80	16	(scanner near3 profile) and ("GUI" or "use interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/23 10:01

S78	4	"6611621".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/04/23 10:00
S77	20	(color adj3 manag\$5) near7 ("API" or "application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 16:04
S76	2	"20020126147"	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/04/22 16:03
S75	60	(image adj acquisition) and ("device driver") and (API or "application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:42
S74	0	(image adj acquisition) and (color adj conver\$5) and (API or "application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:42
S73	6	(image adj acquisition) and (color adj manag\$5) and (API or "application programming interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:42
S72	148	345/593.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:33
S23	138	345/593.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:33
S71	64	345/591.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:27
S22	59	345/591.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:27
S70	117	345/604.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:20
S51	109	345/604.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:20
S69	160	345/603.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:19

S50	157	345/603.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:19
S12	19	Stokes-Michael.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/22 08:19
S68	5	("windows image acquisition" or "WIA") and ("709"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:54
S64	18	("windows image acquisition" or "WIA") and ("345"/\$.ccls. or "382"/\$.ccls. or "358"/\$.ccls. or "348"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:54
S67	76	(scanner) and (color adj manag\$5) and ("device driver")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:49
S65	9	("5226118" "5463702" "5696600" "5706457" "5793647" "6058428" "6069982" "6124893" "6210327"). PN.	USPAT	OR	OFF	2004/04/21 15:44
S63	165	"windows image acquisition" or "WIA"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:32
S49	9	sadovsky-vladimir.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:08
S48	6	wong-gilman-k.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:07
S60	20	parsons-david-m.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:06
S44	11	camara-franc-j.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/21 15:06
S57	66	709/327.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 11:00

S56	25	709/323.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:50
S53	145	345/593.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:28
S52	62	345/591.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:25
S16	102	345/604.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:24
S13	154	345/603.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:21
S45	1	camara-franc.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:11
S43	188	camara.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/25 10:07
S42	2	345/589.ccls. and @ad<"20000225" and (profile near5 embed\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 14:33
S41	0	345/604.ccls. and @ad<"20000225" and (profile near5 embed\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 14:32
S40	0	345/603.ccls. and @ad<"20000225" and (profile near5 embed\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 14:32
S19	559	345/589.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 14:32
S38	53	358/518.ccls. and @ad<"20000225" and (image adj (captur\$3 or aquisition))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 08:10

S39	19	358/518.ccls. and @ad<"20000225" and (device adj driver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:53
S37	981	358/518.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:52
S34	461	382/162.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:52
S36	51	382/162.ccls. and @ad<"20000225" and (image adj (captur\$3 or aquisition))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:51
S35	6	382/162.ccls. and @ad<"20000225" and (device adj driver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:41
S33	0	@ad<"20000225" and ((device adj driver) with (color manag\$5) near10 (image adj (captur\$3 or aquisition)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:39
S32	0	@ad<"20000225" and ((device adj driver) with (color manag\$5) same (image adj (captur\$3 or aquisition)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:39
S30	0	@ad<"20000225" and ((device adj driver) with (color manag\$5) with (image adj (captur\$3 or aquisition)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:38
S31	6	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and ((scanner or camera) adj (device adj driver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:36
S29	872	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and ((scanner or camera) adj (device or driver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:35
S28	1272	@ad<"20000225" and ((device adj driver) with (color manag\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:35
S27	10516	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and ((scanner or camera) with (device or driver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:33

S26	13576	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and ((scanner or camera) same (device or driver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:32
S25	3	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and (image adj aquisition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:30
S24	0	("345"/\$.ccls. or "358"/\$.ccls. or "382"/\$.ccls.) and @ad<"20000225" and ((image adj aquisition) same color)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 07:30
S21	1	345/589.ccls. and @ad<"20000225" and ((device adj driver) same (camera or scanner))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 15:45
S20	1	345/589.ccls. and @ad<"20000225" and ((device adj driver) same (color adj conver\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 15:43
S18	6	382/167.ccls. and @ad<"20000225" and (device adj driver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 14:51
S17	471	382/167.ccls. and @ad<"20000225"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 14:50
S15	8	@ad<"20000225" and ((device adj driver) same (color adj conver\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 12:59
S14	5	@ad<"20000225" and ((device adj driver) with (color adj conver\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/27 12:55



Terms used **device driver color correction scanner camera API**

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1 [The SANE Scanner Interface](#)

David Mosberger

March 1998 **Linux Journal**

Full text available: [pdf\(21.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

SANE makes it easy to support a wide variety of devices and of applications with a minimum amount of programming effort

2 [Computing curricula 2001](#)

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: [pdf\(613.63 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
[html\(2.78 KB\)](#)

3 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 [Making computers disappear: appliance data services](#)

Andrew C. Huang, Benjamin C. Ling, John Barton, Armando Fox

July 2001 **Proceedings of the 7th annual international conference on Mobile computing and networking**

Full text available: [pdf\(691.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Digital appliances designed to simplify everyday tasks are readily available to end consumers. For example, mobile users can retrieve Web content using handheld devices since content retrieval is well-supported by infrastructure services such as transformational proxies. However, the same type of support is lacking for input-centric devices, those that create content and allow users to share content. This lack of infrastructural support makes input-centric devices hard to use and less useful. ...

5 [Color portability—reality in the '90s \(panel session\)](#)

Efraim Arazi, John D. Meyer, James A. Kasson

August 1990 **ACM SIGGRAPH 90 Panel Proceedings**

6 DVI—a digital multimedia technology

G. David Ripley

July 1989 **Communications of the ACM**, Volume 32 Issue 7

Full text available:  pdf(4.55 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A digital presentation technology that manages anything from text to full-motion video has the potential of expanding the usefulness of personal computers, while rendering them less intimidating.

7 Status report of the graphic standards planning committee

Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

Full text available:  pdf(15.01 MB)

Additional Information: [full citation](#), [references](#), [citations](#)

8 Risks to the public: Risks to the public in computers and related systems

Peter G. Neumann

May 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 3

Full text available:  pdf(128.46 KB) Additional Information: [full citation](#)

9 GFX: Linux at NAB

Robin Rowe

July 2001 **Linux Journal**, Volume 2001 Issue 87

Full text available:  html(18.81 KB)

Additional Information: [full citation](#), [index terms](#)

10 Linux tools for professional photography

R W Hawkins

October 2004 **Linux Journal**, Volume 2004 Issue 126

Full text available:  html(19.94 KB) Additional Information: [full citation](#), [abstract](#)

Tweak your system to make photo colors accurate, and more. Now you won't get a nasty surprise when the photo you send to LinuxJournal shows up all wrong.

11 Session P6: displays and color maps: PixelFlex: a reconfigurable multi-projector display system

Ruiyang Yang, David Gotz, Justin Hensley, Herman Towles, Michael S. Brown

October 2001 **Proceedings of the conference on Visualization '01**

Full text available:  pdf(1.37 MB)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents *PixelFlex* --- a spatially reconfigurable multi-projector display system. The *PixelFlex* system is composed of ceiling-mounted projectors, each with computer-controlled pan, tilt, zoom and focus; and a camera for closed-loop calibration. Working collectively, these controllable projectors function as a single logical display capable of being easily modified into a variety of spatial formats of differing pixel density, size and shape. New layouts are automatically ...

Keywords: camera-based registration and calibration, large-format projection display

12 Pen computing: a technology overview and a vision

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

13 Papier-Mâché: toolkit support for tangible input

Scott R. Klemmer, Jack Li, James Lin, James A. Landay

April 2004 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Tangible user interfaces (TUIs) augment the physical world by integrating digital information with everyday physical objects. Currently, building these UIs requires "getting down and dirty" with input technologies such as computer vision. Consequently, only a small cadre of technology experts can currently build these UIs. Based on a literature review and structured interviews with nine TUI researchers, we created Papier-Mâché, a toolkit for building tangible interfaces using computer ...

Keywords: API design, RFID, augmented reality, barcode, computer vision, tangible interfaces, toolkits

14 3D multimedia environments: Computation and performance issues In coliseum: an immersive videoconferencing system

H. Harlyn Baker, Nina Bhatti, Donald Tanguay, Irwin Sobel, Dan Gelb, Michael E. Goss, John MacCormick, Kei Yuasa, W. Bruce Culbertson, Thomas Malzbender

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Coliseum is a multiuser immersive remote teleconferencing system designed to provide collaborative workers the experience of face-to-face meetings from their desktops. Five cameras are attached to each PC display and directed at the participant. From these video streams, view synthesis methods produce arbitrary-perspective renderings of the participant and transmit them to others at interactive rates, currently about 15 frames per second. Combining these renderings in a shared synthetic environm ...

Keywords: telepresence, videoconferencing, view synthesis

15 Potpourri: Managing and Reproducing Colour Images (MARCI)

John D. McFall

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**

The emergence of colour fax machines, colour digital copiers and digital electronic still photographic cameras has accustomed people in many businesses to consider the usage of colour in a wide variety of applications. For all the advances in the technologies of document scanners, monitors and printers, there remain fundamental differences in how various devices create, manipulate and reproduce colour. The IBM PRGS Toronto Laboratory CAS project *Managing and Reproducing Colour Images (MARCI)*< ...

16 PanoVR SDK—a software development kit for integrating photo-realistic panoramic images and 3-D graphical objects into virtual worlds

Cheng-Chin Chiang, Alex Huang, Tsing-Shin Wang, Matthew Huang, Yunn-Yen Chen, Jun-Wei

17 Conversations with Clement Mok and Jakob Nielsen, and with Bill Buxton and Clifford Nass 

Richard I. Anderson

January 2000 **interactions**, Volume 7 Issue 1

Full text available:  pdf(986.68 KB)

 html(148.66 KB)

Additional Information: [full citation](#), [citations](#), [index terms](#)

18 Level II technical support in a distributed computing environment 

Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(5.73 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

19 The VolumePro real-time ray-casting system 

Hanspeter Pfister, Jan Hardenbergh, Jim Knittel, Hugh Lauer, Larry Seiler

July 1999 **Proceedings of the 26th annual conference on Computer graphics and interactive techniques**

Full text available:  pdf(2.11 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: graphics hardware, hardware systems, rendering hardware, rendering systems, volume rendering

20 Software: An open software architecture for virtual reality interaction 

Gerhard Reitmayr, Dieter Schmalstieg

November 2001 **Proceedings of the ACM symposium on Virtual reality software and technology**

Full text available:  pdf(348.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article describes OpenTracker, an open software architecture that provides a framework for the different tasks involved in tracking input devices and processing multi-modal input data in virtual environments and augmented reality application. The OpenTracker framework eases the development and maintenance of hardware setups in a more flexible manner than what is typically offered by virtual reality development packages. This goal is achieved by using an object-oriented design based on XML, ...

Keywords: XML, mobile augmented reality, tracking, virtual reality

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David Mosberger

March 1998 **Linux Journal**Full text available:  [html\(21.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

SANE makes it easy to support a wide variety of devices and of applications with a minimum amount of programming effort

**2 Computing curricula 2001**September 2001 **Journal on Educational Resources in Computing (JERIC)**Full text available:  [pdf\(613.63 KB\)](#)  [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 Fast detection of communication patterns in distributed executions**

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

**4 Making computers disappear: appliance data services**

Andrew C. Huang, Benjamin C. Ling, John Barton, Armando Fox

July 2001 **Proceedings of the 7th annual international conference on Mobile computing and networking**Full text available:  [pdf\(691.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Digital appliances designed to simplify everyday tasks are readily available to end consumers. For example, mobile users can retrieve Web content using handheld devices since content retrieval is well-supported by infrastructure services such as transformational proxies. However, the same type of support is lacking for input-centric devices, those that create content and allow users to share content. This lack of infrastructural support makes input-centric devices hard to use and less useful. ...

**5 DVI—a digital multimedia technology**

G. David Ripley

July 1989 **Communications of the ACM**, Volume 32 Issue 7

Full text available:  pdf(4.55 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A digital presentation technology that manages anything from text to full-motion video has the potential of expanding the usefulness of personal computers, while rendering them less intimidating.

6 Risks to the public: Risks to the public in computers and related systems 

Peter G. Neumann

May 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 3

Full text available:  pdf(128.46 KB) Additional Information: [full citation](#)

7 GFX: Linux at NAB 

Robin Rowe

July 2001 **Linux Journal**, Volume 2001 Issue 87

Full text available:  html(18.81 KB) Additional Information: [full citation](#), [index terms](#)

8 Session P6: displays and color maps: PixelFlex: a reconfigurable multi-projector display system 

Ruigang Yang, David Gotz, Justin Hensley, Herman Towles, Michael S. Brown

October 2001 **Proceedings of the conference on Visualization '01**

Full text available:  pdf(1.37 MB)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
Publisher Site

This paper presents *PixelFlex* --- a spatially reconfigurable multi-projector display system. The *PixelFlex* system is composed of ceiling-mounted projectors, each with computer-controlled pan, tilt, zoom and focus; and a camera for closed-loop calibration. Working collectively, these controllable projectors function as a single logical display capable of being easily modified into a variety of spatial formats of differing pixel density, size and shape. New layouts are automatically ...

Keywords: camera-based registration and calibration, large-format projection display

9 Pen computing: a technology overview and a vision 

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  pdf(5.14 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

10 Papier-Mâché: toolkit support for tangible input 

Scott R. Klemmer, Jack Li, James Lin, James A. Landay

April 2004 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available:  pdf(847.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Tangible user interfaces (TUIs) augment the physical world by integrating digital information with everyday physical objects. Currently, building these UIs requires "getting down and dirty" with input technologies such as computer vision. Consequently, only a small cadre of technology experts can currently build these UIs. Based on a literature review and structured interviews with nine TUI researchers, we created Papier-Mâché, a

toolkit for building tangible interfaces using computer ...

Keywords: API design, RFID, augmented reality, barcode, computer vision, tangible interfaces, toolkits

11 3D multimedia environments: Computation and performance issues In coliseum: an immersive videoconferencing system

H. Harlyn Baker, Nina Bhatti, Donald Tanguay, Irwin Sobel, Dan Gelb, Michael E. Goss, John MacCormick, Kei Yuasa, W. Bruce Culbertson, Thomas Malzbender

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available:  pdf(824.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Coliseum is a multiuser immersive remote teleconferencing system designed to provide collaborative workers the experience of face-to-face meetings from their desktops. Five cameras are attached to each PC display and directed at the participant. From these video streams, view synthesis methods produce arbitrary-perspective renderings of the participant and transmit them to others at interactive rates, currently about 15 frames per second. Combining these renderings in a shared synthetic environm ...

Keywords: telepresence, videoconferencing, view synthesis

12 PanoVR SDK—a software development kit for integrating photo-realistic panoramic images and 3-D graphical objects into virtual worlds

Cheng-Chin Chiang, Alex Huang, Tsing-Shin Wang, Matthew Huang, Yunn-Yen Chen, Jun-Wei Hsieh, Ju-Wei Chen, Tse Cheng

September 1997 **Proceedings of the ACM symposium on Virtual reality software and technology**

Full text available:  pdf(1.04 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 The VolumePro real-time ray-casting system

Hanspeter Pfister, Jan Hardenbergh, Jim Knittel, Hugh Lauer, Larry Seiler

July 1999 **Proceedings of the 26th annual conference on Computer graphics and interactive techniques**

Full text available:  pdf(2.11 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: graphics hardware, hardware systems, rendering hardware, rendering systems, volume rendering

14 Software: An open software architecture for virtual reality interaction

Gerhard Reitmayr, Dieter Schmalstieg

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Keywords: XML, mobile augmented reality, tracking, virtual reality

15 PRoP: personal roving presence

Eric Paulos, John Canny

January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available: [pdf\(1.10 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: computer-mediated human-human interaction, gesturing, robotics, tele-action, tele-conferencing, tele-embodiment, tele-presence, tele-robotics, tele-work, telecommunications

16 Artificial intelligence #1: A mobile robot for corridor navigation: a multi-agent approach

Y. Ono, H. Uchiyama, W. Potter

April 2004 **Proceedings of the 42nd annual Southeast regional conference**

Full text available: [pdf\(603.53 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This project focuses on building an autonomous vehicle as the test bed for the future development of an intelligent wheelchair, by proposing a framework for designing and implementing a mobile robot control program that is easily expandable and portable to other robotic platforms. Using a robot equipped with a minimal set of sensors such as a camera and infrared sensors, our multi-agent based control system is built to tackle various problems encountered during corridor navigation. The control s ...

Keywords: collision avoidance, commercial robots and applications, fuzzy logic controller, machine vision, multi-agent systems

17 Optimal depth buffer for low-cost graphics hardware

Eugene Lapidous, Guofang Jiao

July 1999 **Proceedings of the ACM SIGGRAPH/EUROGRAPHICS workshop on Graphics hardware**

Full text available: [pdf\(727.59 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: W buffer, Z buffer, depth buffer, depth precision, screen Z, visibility error

18 Papers: infrastructure for ubicomp: User interfaces when and where they are needed: an infrastructure for recombinant computing

Mark W. Newman, Shahram Izadi, W. Keith Edwards, Jana Z. Sedivy, Trevor F. Smith

October 2002 **Proceedings of the 15th annual ACM symposium on User interface software and technology**

Full text available: [pdf\(673.34 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Users in ubiquitous computing environments need to be able to make serendipitous use of resources that they did not anticipate and of which they have no prior knowledge. The Speakeasy recombinant computing framework is designed to support such ad hoc use of resources on a network. In addition to other facilities, the framework provides an infrastructure through which device and service user interfaces can be made available to users on multiple platforms. The framework enables UIs to be provided ...

Keywords: asynchronous user interfaces, recombinant computing, speakeasy, ubiquitous computing

19 8-2 Distributed, collaborative & clustered VRC: Multi-channel train visual simulation system based on PC cluster

Tang Bing, Su Hu, Pan Zhigeng, Zhou Meiyu

June 2004 **Proceedings of the 2004 ACM SIGGRAPH international conference on Virtual Reality continuum and its applications in industry**



Train visual simulation system is an important component of a train simulator. Now advanced train visual simulation systems are usually equipped with large-wide projection screen or multiprojection screens to display, and high-end graphic workstation to complete the multiple channels real-time rendering task. They can provide the user large field of view and bring a strong feeling of immersion with the support of interactive devices. This paper presented a multi-channel train visual simulation s ...

Keywords: per-pixel lighting, shadow generation, train simulation system, virtual reality, visual simulation

20 [Between u and i: iStuff: a physical user interface toolkit for ubiquitous computing environments](#)



Rafael Ballagas, Meredith Ringel, Maureen Stone, Jan Borchers

April 2003 **Proceedings of the SIGCHI conference on Human factors in computing systems**

The iStuff toolkit of physical devices, and the flexible software infrastructure to support it, were designed to simplify the exploration of novel interaction techniques in the post-desktop era of multiple users, devices, systems and applications collaborating in an interactive environment. The toolkit leverages an existing interactive workspace infrastructure, making it lightweight and platform independent. The supporting software framework includes a dynamically configurable intermediary to s ...

Keywords: development tools, input and interaction technologies, intermediation, programming environments, tangible user interfaces, ubiquitous computing, user interface toolkits, wireless devices

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3.	<u>07 - 325619(1995)</u>	REMOTE CONTROL DEVICE
4.	<u>07 - 177527(1995)</u>	AUTO FOCUS ADJUSTMENT DEVICE FOR MULTI-CCD ELECTRONIC CAMERA
5.	<u>06 - 125488(1994)</u>	PICTURE SIGNAL PROCESSING UNIT
6.	<u>05 - 037850(1993)</u>	SAMPLING PHASE ADJUSTMENT DEVICE IN PICTURE PROCESSING SYSTEM
7.	<u>04 - 355775(1992)</u>	COLOR IMAGE FORMING DEVICE AND CONTROLLER
8.	<u>03 - 093349(1991)</u>	COLOR PICTURE FORMING DEVICE AND ITS PICTURE DISPLAY DEVICE
9.	<u>02 - 052566(1990)</u>	COLOR PICTURE READER
10.	<u>62 - 193455(1987)</u>	CORRECTION PRINT GENERATION DEVICE
11.	<u>62 - 034463(1987)</u>	CORRECTED PRINT PRODUCING DEVICE
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1 Device and method of fabricating color conversion table and medium recording program for forming color conversion table

Inventor: FUKASAWA KENJI [JP]; KASAHIARA HIROKAZU [JP]
EC:
Applicant: SEIKO EPSON CORP [JP]
IPC: G03F3/08

Publication info: **US6825958** - 2004-11-30

2 Image input/output system, image-processing method and printer driver

Inventor: YAMAZAKI MASAHIKO [JP]; AKASHI MASAMICHI [JP]
EC:
Applicant: CANON KK [JP]
IPC: G06F15/00; G02B6/42

Publication info: **US2004190026** - 2004-09-30

3 IMAGE PICKUP DEVICE

Inventor: WATANABE TORU
EC:
Applicant: SANYO ELECTRIC CO
IPC: H04N9/07; H04N5/335

Publication info: **JP2004112768** - 2004-04-08

4 Color data conversion method, color data conversion apparatus, storage medium, device driver and color conversion table

Inventor: SHIMIZU MASAYOSHI [JP]; MORI MASAHIRO
[JP]; (+2)
EC: H04N1/60G
Applicant: FUJITSU LTD [JP]
IPC: G06K1/00; G06F15/00

Publication info: **US2004061881** - 2004-04-01

5 DEVICE AND METHOD FOR IMAGE PROCESSING AND PROGRAM TO BE EXECUTED BY COMPUTER

Inventor: INOUE YUKI
EC:
Applicant: RICOH KK
IPC: H04N1/46; B41J2/525; (+4)

Publication info: **JP2004007370** - 2004-01-08

6 PLASMA DISPLAY PANEL AND PLASMA DISPLAY PANEL DISPLAY DEVICE

Inventor: KANAMORI KATSUHIRO
EC:
Applicant: MATSUSHITA ELECTRIC IND CO LTD
IPC: H01J11/02; G09G3/20; (+3)

Publication info: **JP2004152737** - 2004-05-27

7 METHOD AND DEVICE FOR MULTI-GRADATION DOT MATRIX DISPLAY

Inventor: KASAI SHIGEHIKO; MANO HIROYUKI; (+3)
EC:
Applicant: HITACHI LTD
IPC: G09G3/36; G02F1/133; (+2)

Publication info: **JP2003195837** - 2003-07-09

8 APPARATUS, SYSTEM AND METHOD FOR FORMING IMAGE

Inventor: NIWA YUICHI
EC:
Applicant: RICOH KK
IPC: H04N1/46; B41J2/525; (+3)

Publication info: **JP2004096525** - 2004-03-25

9 CURRENT DRIVER AND DRIVING CONTROL METHOD FOR THE SAME, AND DISPLAY DEVICE USING CURRENT DRIVER

Inventor: AKAO HIDETOSHI
EC:
Applicant: CASIO COMPUTER CO LTD
IPC: G09G3/30; G09G3/20; (+2)

Publication info: **JP2004093774** - 2004-03-25

10 HIGH-GRADIENT MONOCHROMATIC DISPLAY SYSTEM AND DISPLAY PROGRAM

Inventor: KAYANO HIDESUKE
EC:
Applicant: ZIOSOFT INC
IPC: G09G5/00; G06F3/153; (+8)

Publication info: **JP2004020942** - 2004-01-22